
THOMAS CLARK

Address: XXXXXX Phone: XXXXXX E-mail: XXXXXX

~ RESEARCH ASSOCIATE ~

PROFILE OVERVIEW

- ❖ Hands-on and analytical MS graduate in Biochemistry with broad experience in conducting research and analysis. Equipped with in-depth knowledge of systematic laboratory protocols, tests and techniques validation
- ❖ Dependable with consistent precision at performing material concept and requirement analysis, data collection and evaluation, resource optimization, methods development, as well as research and interpretation of scientific findings
- ❖ Skilled in conducting regular presentations in laboratory meetings and discussion of results with senior scientists and the principal investor
- ❖ Generated results in the analysis of fungal pathogens, including the composition and detection of the GABA receptor that gave rise to posters presented in scientific congresses
- ❖ Collaborative with proven ability to excel independently within complex fast-paced work environment coupled with sharp computational skills
- ❖ Bilingual in English and Spanish

EDUCATION

(MS) MASTER OF SCIENCE IN BIOCHEMISTRY (AWARDED WITH DISTINCTION) 2009
University Andres Bello, Faculty of Health Sciences, Santiago, Chile

(BS) BACHELOR OF SCIENCE IN BIOCHEMISTRY (AWARDED WITH DISTINCTION) 2008
University Andres Bello, Faculty of Health Sciences, Santiago, Chile
(Evaluation of Foreign Education by Education International Inc) Program completed

TECHNICAL SKILLS AND KEY EXPERTISE

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|----------------------------------|------------------------|----------------------------------|
| ▪ DNA and RNA Isolation | ▪ Western Blot | ▪ Aseptic Technique |
| ▪ Conventional and Real Time PCR | ▪ Immunohistochemistry | ▪ Media Preparation |
| ▪ Cloning Procedures | ▪ ELISA | ▪ Molecular Markers |
| ▪ Spectrophotometric Techniques | ▪ Microtitre Plates | ▪ Restriction Enzyme Analyses |
| ▪ Automated Clinical Analyzer | ▪ SDS PAGE | ▪ Molecular Biology and Genetics |

PROFESSIONAL EXPERIENCE

Biotechnology and Applied Microbiology Laboratory (LAMAP), University of Santiago. Santiago, Chile

Job Title (Master's Degree Thesis)

Apr 2008-Jun 2009

- Successfully completed extensive research and data analysis on Auxotrophic native wine yeast strains in support to genetic improvement efforts of Biotechnology and Applied Microbiology Laboratory (LAMAP).
- Conformed to research and study guidelines set forth by Claudio Martinez, Ph.D., President of the Genetics Society of Chile. Generated diploid mutant yeast strains using genetic engineering.
- Assisted to numerous research studies conducted in the field of molecular biology, biotechnology, yeast and gene disruption.

Center of Investigation and Immunological Development (CIDI) –Molecular Biology Laboratory, Santiago, Chile

Job Title

Jan 2009-Feb 2009

- Provided efficient performance in the execution of DNA extraction from blood samples to detect adenovirus, cytomegalovirus and Epstein-Barr virus via real-time PCR

Job Title

Dec 2007-Apr 2008

- Maximized data resources and organized information accordingly to accurately detect and identify polymorphisms at DNA level of wine yeast strains after alcoholic fermentation using molecular biology techniques
- Assisted in formulating new research and evaluation procedures to expedite the completion of research study

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Center of Health Reference (CRS) –Clinical Laboratory, Santiago, Chile

Job Title

Jan 2007-Mar 2007

- Conducted various clinical tests, analyses and experiments with focus on areas of Clinical Chemistry, Hematology and Microbiology

Center of Vegetal Biotechnology, University Andres Bello, Santiago, Chile

Job Title

Jul-Dec 2006

- Strictly followed a set of research procedures, analyses and tests to successfully complement mutant yeast strains using a cDNA library from Arabidopsis thaliana to find orthologs of the exocyst complex
- Maintained an accurate and updated scientific record of information and test results

Cellular Biology laboratory, University Andres Bello, Santiago, Chile

Job Title

Jan-Jun 2006

- Closely monitored physical and chemical changes and reactions of GABA receptor levels on rats with induced hypothyroidism through immunological techniques
- Participated in developing plans and study guidelines for project; coordinated with research personnel in evaluating validity of findings

Molecular Biology Laboratory, University Andres Bello. Santiago, Chile

Job Title

Jun-Dec 2005

- Facilitated and ensured coordination of experiment activities on RNA and DNA extraction from different organisms
- Performed a variety of research laboratory tasks and detailed observations, analysis and data interpretation

Biochemistry Laboratory, University Andres Bello. Santiago, Chile

Job Title

Mar-Jun 2005

- Determined distinct properties, physical and chemical reactions and characterized mutants used in biocontrol of tomatoes fungal pathogens by enzymatic activity

OTHER EXPERIENCE

Second Language Instructor--Sam Marsall's English Institute, Santiago, Chile (Jun–Aug 2008)

- Educated small groups of individuals in English at seven different levels, from vocabulary to conversation

POSTERS IN PROGRESS

- Oct 2005 **XLVIII ANUAL REUNION OF THE BIOLOGY SOCIETY OF CHILE**
TRICHODERMA VIRIDE 32, T. PILULIFERUM 33 and T. POLYSPORUM 34: Selection of mutants.
Lespinasse, M., Jofré, M., **Clark, T.**, Polanco, R., Pérez, L. M. Biochemistry Laboratory, Department
of Biological Science, Faculty of Health Sciences, University Andres Bello
- Oct 2006 **XX ANUAL REUNION OF THE CELLULAR BIOLOGY SOCIETY OF CHILE** STUDY OF THE
COMPOSITION AND LOCALIZATION OF THE GABA SYNAPTIC PROTEINS IN ANIMALS WITH
HYPOTHYROIDISM. ¹Cortés C., ¹**Clark T.**, ²Naranjo D., ¹Riedel C. ¹University Andres Bello.
²University of Valparaiso. Financed by Fondecyt 1040349